Recombinant CC186 protein (His tag)

Catalog Number	550935
Synonyms	CTCL tumor antigen HD-CL-01/L14-2
Species	Human
Expression System	E. coli
Accession	Q7Z3E2
Molecular Weight	Predictes a molecular mass of 29.61 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band.

Product Information

Sequence Region	459-696
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 459-696 aa (Q7Z3E2) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Coiled-coil domain-containing protein 186 (CCDC186) fragment (residues 459-696) is a high-quality protein product designed for structural and biochemical studies. This 238-amino acid fragment was computationally selected to ensure stability and solubility, making it an ideal tool for investigating the properties of this CTCL tumor antigen. Coiled-coil domain-containing protein 186 (CCDC186), also known as CTCL tumor antigen HD-CL-01/L14-2, is encoded by the CCDC186 gene in Homo sapiens. While specific functional details and subcellular localization information for the full-length protein are not fully characterized, this protein has been identified as a tumor antigen in cutaneous T-cell lymphoma (CTCL), suggesting potential roles in cancer biology and immunology. The recombinant fragment (459-696) represents a stable, soluble region selected through structural prediction methods to facilitate research into this protein's biochemical properties and potential disease associations.